

=> d his

(FILE 'HOME' ENTERED AT 10:18:48 ON 04 JAN 2007)

FILE 'REGISTRY' ENTERED AT 10:18:59 ON 04 JAN 2007

L1 STRUCTURE UPLOADED

L2 STRUCTURE UPLOADED

L3 1 S L1 OR L2

L4 46 S L3 FULL

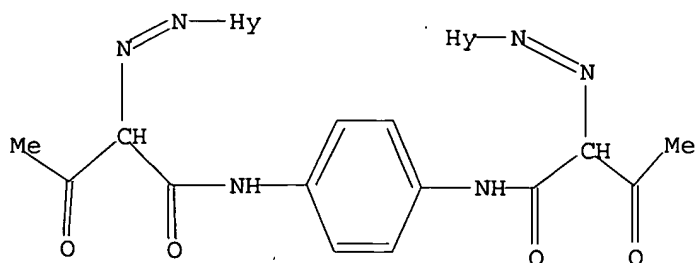
FILE 'CAPLUS' ENTERED AT 10:20:08 ON 04 JAN 2007

L5 18 S L4

L6 1 S L5 AND (AFTERTREATMENT OR FINISH)

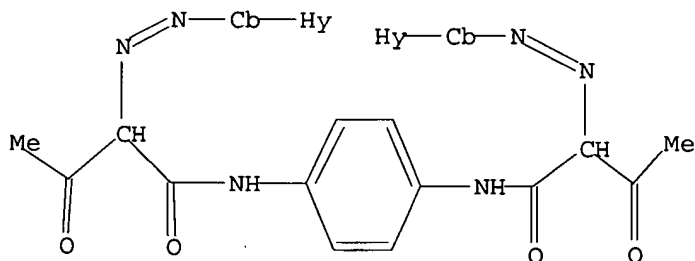
=> d que l6 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 STR



Structure attributes must be viewed using STN Express query preparation.

L4 46 SEA FILE=REGISTRY SSS FUL L1 OR L2

L5 18 SEA FILE=CAPLUS ABB=ON PLU=ON L4

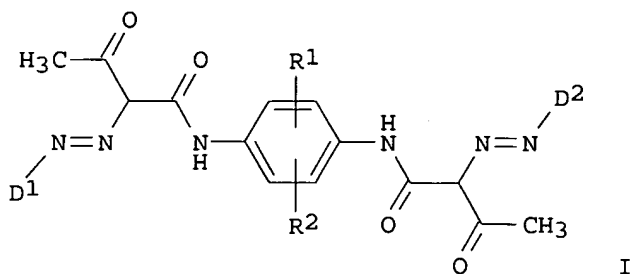
L6 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND (AFTERTREATMENT OR FINISH)

=> d bib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:2963 CAPLUS
 DN 140:61048
 TI Method for producing disazo pigments.
 IN Schupp, Olaf; Grimm, Felix W.; Opravil, Manfred; Weber, Joachim
 PA Clariant G.m.b.H., Germany
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

APPLICANT

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004000947	A1	20031231	WO 2003-EP5520	20030527
	W: CN, JP, KR, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	DE 10227527	A1	20040108	DE 2002-10227527	20020620
	EP 1517962	A1	20050330	EP 2003-735467	20030527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1662610	A	20050831	CN 2003-814158	20030527
	JP 2005535738	T	20051124	JP 2004-514648	20030527
	US 2006167236	A1	20060727	US 2004-519218	20041217
PRAI	DE 2002-10227527	A	20020620		
	WO 2003-EP5520	W	20030527		
OS	CASREACT 140:61048; MARPAT 140:61048				
GI					



AB Disazo pigments (I) [R1 and R2 = H, C1-4 alkyl, C1-4 alkoxy, C1-5 alkoxy carbonyl, nitro, cyano, halogen, phenoxy or trifluoromethyl, D1 and D2 = the residues from benzimidazole, benzimidazolone, benzimidazolthione, benzoxazole, benzoxazolone, benzothiazolone, indazole, phthalimide, naphthalimide, benzotriazole, chinoline, benzodiazines, phenmorpholine, phenmorpholinone, phthalazine, phthalazinone, phthalazinedione, phthalimide, naphthalimide, benzo[c,d]indolone, benzimidazo[1,2-a]pyrimidone, carbazole, quinoxaline, quinoxalinone, quinoxalindione, quinazoline, quinazolinone, quinazolinone, and indole] are prepared by azo coupling diazotized amines DNH2 (D = D1 or D2) with an appropriate coupling component and used to dye PVC and lacquers. The invention is characterized in that the coupling product resulting from the azo coupling is subjected to a finish (crystallization) in an organic solvent with an alkaline pH value or in an aqueous organic solvent or suspension with a neutral or alkaline pH value to increase crystal size.

IT 156564-61-3P 637780-29-1P 637780-30-4P

637780-31-5P 642082-65-3P

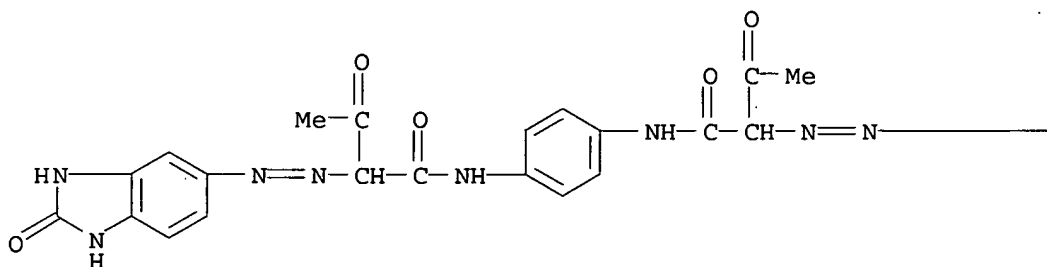
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(disazo pigment; producing disazo pigments by reacting of diazonium salts of heterocyclic amines with coupling component and alkali or neutral posttreatment)

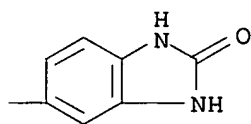
RN 156564-61-3 CAPLUS

CN Butanamide, N,N'-1,4-phenylenebis[2-[(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)azo]-3-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



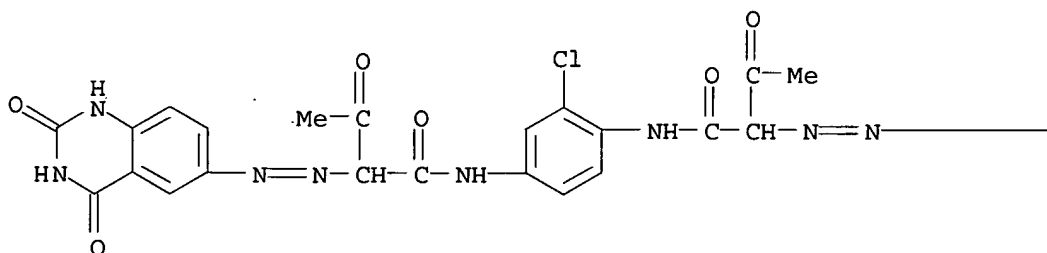
PAGE 1-B



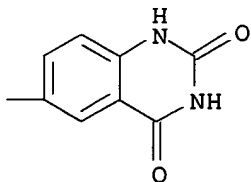
RN 637780-29-1 CAPLUS

CN Butanamide, N,N'-(2-chloro-1,4-phenylene)bis[3-oxo-2-[(1,2,3,4-tetrahydro-2,4-dioxo-6-quinazolinyl)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



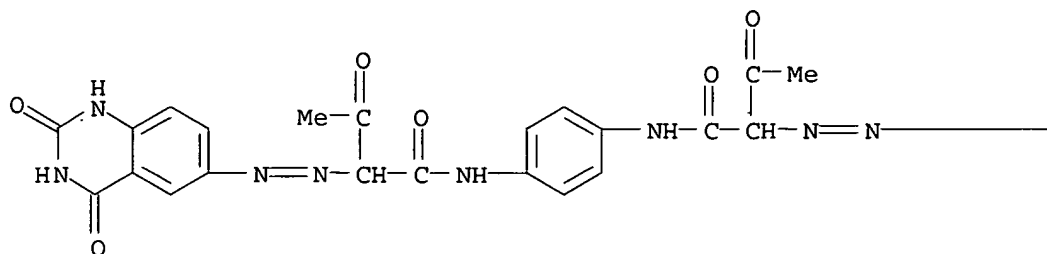
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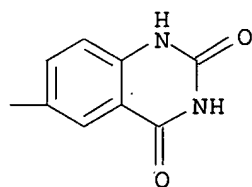
RN 637780-30-4 CAPLUS

CN Butanamide, N,N'-1,4-phenylenebis[3-oxo-2-[(1,2,3,4-tetrahydro-2,4-dioxo-6-quinazolinyl)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



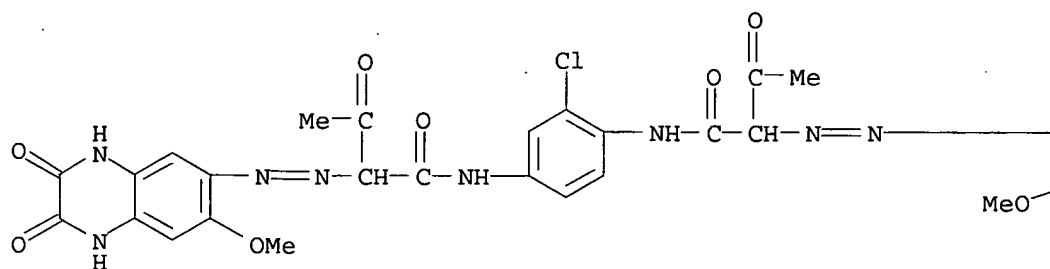
PAGE 1-B



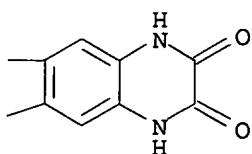
RN 637780-31-5 CAPLUS

CN Butanamide, N,N'-(2-chloro-1,4-phenylene)bis[3-oxo-2-[(1,2,3,4-tetrahydro-7-methoxy-2,3-dioxo-6-quinoxaliny)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

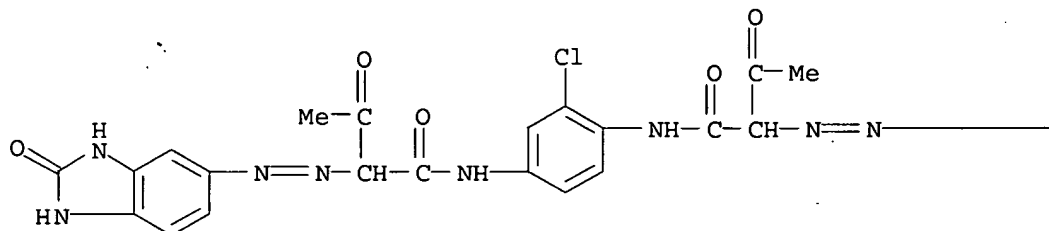


RN 642082-65-3 CAPLUS

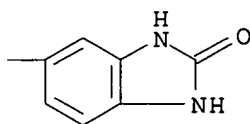
CN Butanamide, N,N'-(2-chloro-1,4-phenylene)bis[2-[(2,3-dihydro-2-oxo-1H-

benzimidazol-5-yl)azo]-3-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



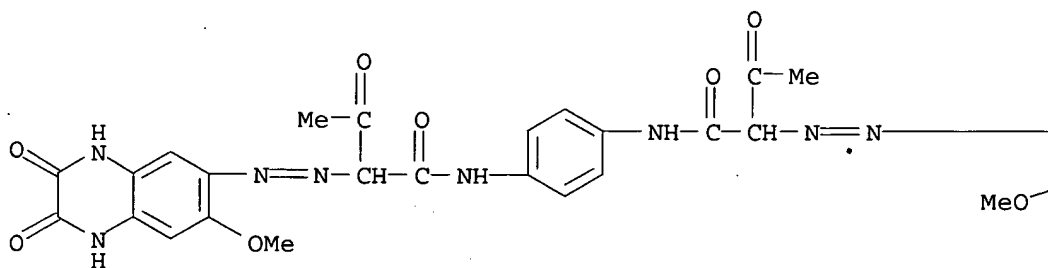
IT 637780-58-6P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(producing disazo pigments by reacting of diazonium salts of heterocyclic amines with coupling component and alkali or neutral posttreatment)

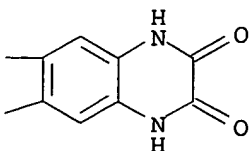
RN 637780-58-6 CAPLUS

CN Butanamide, N,N'-1,4-phenylenebis[3-oxo-2-[(1,2,3,4-tetrahydro-7-methoxy-2,3-dioxo-6-quinoxaliny)azo]- (9CI) (CA INDEX NAME).

PAGE 1-A

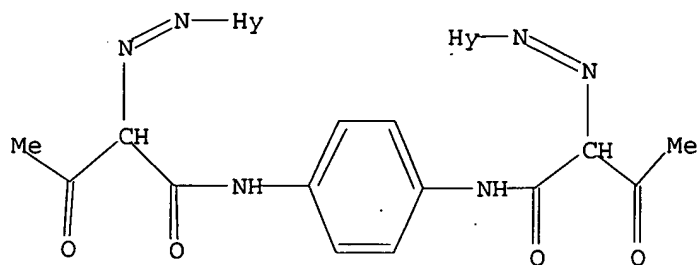


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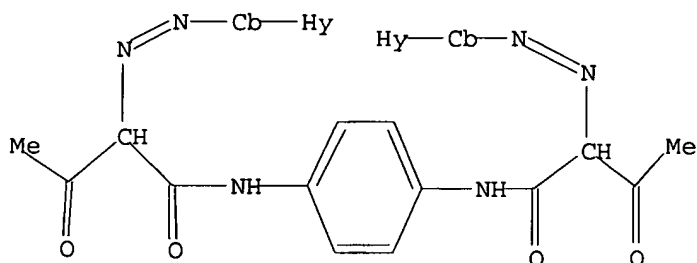


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1 STR



Structure attributes must be viewed using STN Express query preparation.
L2 STR



Structure attributes must be viewed using STN Express query preparation.

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L5	18	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L4		
L6	1	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L5	AND	(AFTERTREATMENT OR FINISH)
L7	17	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L5	NOT	L6
L8	1	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L7	AND	(BASE OR ALKALI OR ALKALINE)

=> d bib abs hitstr

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1988:475189 CAPLUS

DN 109:75189

TI Storage-stable anionic dye formulations

IN Szeymies, Detlef; Wolff, Joachim; Wolf, Karlheinz; Koenig, Joachim; Paulat, Volker

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 5 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3631750	A1	19880331	DE 1986-3631750	19860918
	EP 260563	A2	19880323	EP 1987-113035	19870907
	EP 260563	A3	19910828		
	EP 260563	B1	19941123		

R: CH, DE, FR, GB, LI

JP 63077975	A	19880408	JP 1987-229912	19870916
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PRAI DE 1986-3631750	A	19860918
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AB Homogeneous anionic dye preps., having viscosity ≥ 500 mPa-s, contain Z(SO₃K)1-4 (Z = chromophore residue; K = cation equivalent having ≥ 96 equiv % cations from organic N or P bases and ≤ 4 equiv % alkali or ammonium cations) 50-100, inorg. salts ≤ 0.5 , H₂O ≤ 50 , (optionally) liquid organic N or P bases ≤ 30 , and (optionally) solvents and pressure hydrophobic compds. ≤ 20 weight%. These low-solids content preps. are useful for manufacture of printing pastes and dye baths. 1 Mol 4-[(4-aminophenyl)azo]benzenesulfonic acid was dissolved in 1800 mL H₂O at 85°, diazotized in the presence of a cation exchanger base don crosslinked polystyrene (1.2 mol acid groups), coupled with 1 mol benzoyl-I acid at pH 6, and 1 mol N(CH₂CH₂OCH₂CH₂OH)₃ added, the dye solution mixed with 0.8 L cation exchange resin (acid-form), filtered, and 2 mol N(CH₂CH₂OCH₂CH₂OH)₃ added to pH 5; the solution was stripped under vacuum, producing a highly viscous oil which had $\approx 75\%$ red dye content.

IT 115811-22-8

RL: USES (Uses)

(manufacture of low-solids content storage-stable solns. containing)

RN 115811-22-8 CAPLUS

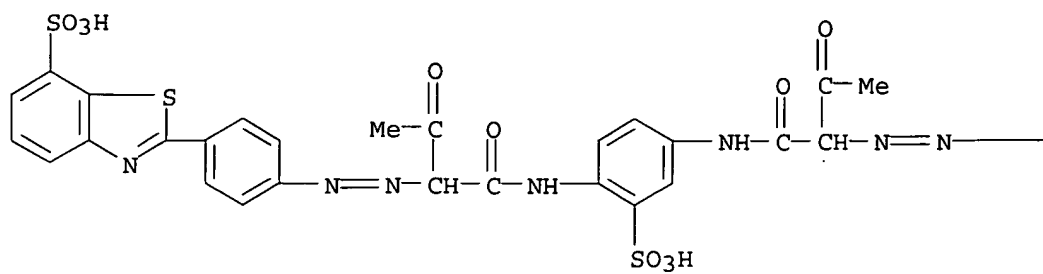
CN 7-Benzothiazolesulfonic acid, 2-[4-[[1-[[[4-[[1,3-dioxo-2-[[4-(7-sulfo-2-benzothiazolyl)phenyl]azo]butyl]amino]-3-sulfophenyl]amino]carbonyl]-2-oxopropyl]azo]phenyl]-6-methyl-, compd. with 2,2',2''-[nitrilotris(2,1-ethanediyloxy)]tris[ethanol] (1:3) (9CI) (CA INDEX NAME)

CM 1

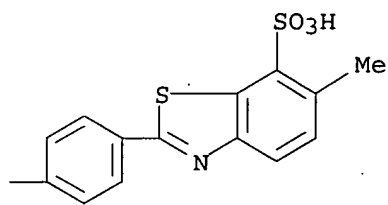
CRN 115811-21-7

CMF C41 H32 N8 O13 S5

PAGE 1-A



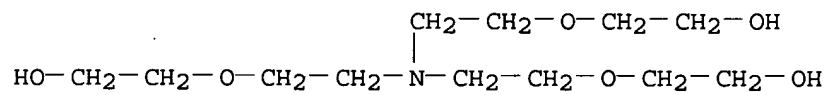
PAGE 1-B



CM 2

CRN 54384-48-4

CMF C12 H27 N O6



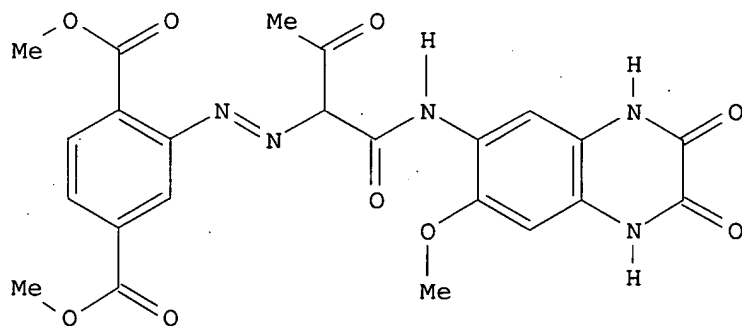
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L11	28	SEA FILE=CAPLUS	ABB=ON	PLU=ON	("OPRAVIL M"/AU OR "OPRAVIL MANFRED"/AU)
L12	118	SEA FILE=CAPLUS	ABB=ON	PLU=ON	("WEBER JOACHIM"/AU OR "WEBER JOACHIM F L"/AU)
L13	177	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L9 OR L10 OR L11 OR L12
L14	7	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L13 AND DISAZO

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L14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1180378 CAPLUS
 DN 145:490714
 TI Pigment concentrate based on azo pigment and containing disazo
 compounds as dispersing agents
 IN Weber, Joachim; Hoetzel, Patrick; Schweikart, Karl-Heinz;
 Alfter, Frank
 PA Clariant Produkte (Deutschland) G.m.b.H., Germany
 SO Ger. Offen., 17pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102005021160	A1	20061109	DE 2005-102005021160	20050506
	WO 2006119847	A2	20061116	WO 2006-EP3626	20060420
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	DE 2005-102005021160 A		20050506		
GI					

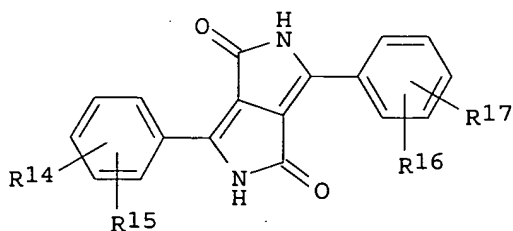


I

AB A based on I pigment concentrate for dyeing plastics, making color filters for
 LC displays, for inks, electrophotog. toners and paints comprises 0.1 - 40%
 (based on I) disazo compds. (≥30% of these disazo
 compds. are asym. disazo compds.) as dispersing agents. Thus,
 mixing 8 h at 40° 450 g micronized NaCl, 75 g I, 3.9 an asym.
 disazo compound as a dispersing agent and 115 mL diethylene glycol,
 mixing 2 h at 40° the resulting paste with 4 L a 5% aqueous solution
 H2SO4, filtering, washing and drying the residue gave 75 g a pigment
 concentrate
 used for making inks.

L14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:168451 CAPLUS
 DN 144:254986
 TI Method for undistorted pigmentation of partially crystalline plastics
 IN Ganschow, Matthias; Weber, Joachim
 PA Clariant G.m.b.H., Germany
 SO PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006018271	A1	20060223	WO 2005-EP8872	20050816
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	DE 102004039954	A1	20060223	DE 2004-102004039954	20040818
PRAI	DE 2004-102004039954 A		20040818		
OS	MARPAT 144:254986				
GI					



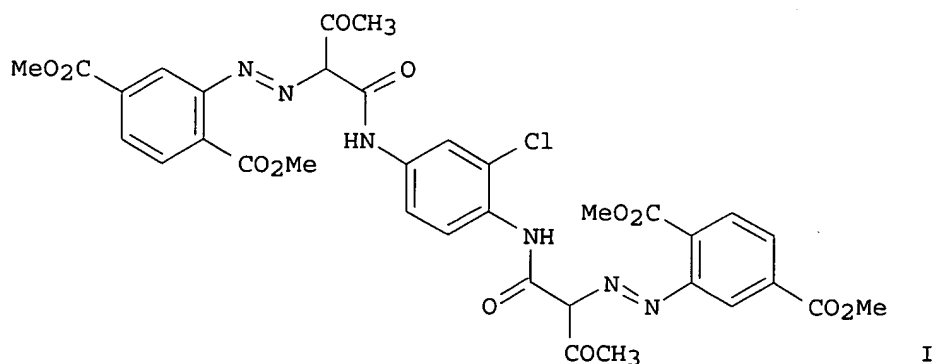
AB The invention relates to a method for undistorted bulk coloring of partially crystalline plastics. Said invention is characterized in that a composition is molded that contains (i) a partially crystalline plastic from the group of homopolymers, terpolymers or ethylene copolymers, propylene, butylene, styrene and/or divinylbenzene, polyesters, polyamides and the thermoplastic ionomers; (ii) a pigment from the group of diketopyrrolopyrroles, quinacridones, disazo condensates, isoindolinones and isoindolines; and (iii) 0.001-0.25 parts, in relation to pigment, of an additive of formula Q(R)_s, wherein Q is a radical of a diketopyrrolopyrrole compound of formula I, wherein R₁₄, R₁₅, R₁₆ and R₁₇ are H, halo, C₁-4-alkyl, C₁-4-alkoxy, or cyano; s is a number between 0.1 - 4.0; and R is CONZ₁Z₂, NZ₁Z₂ or COOZ₃, and Z₁ and Z₂ are H, (substituted) C₁-30 alkyl, or (substituted) C₂-30 mono- or polyunsatd. alkenyl and Z₃ is H, NH₄, alkylammonium, alkali metal, (substituted) C₁-30 alkyl, or (substituted) C₂-30 mono- or polyunsatd. alkenyl. A typical I was manufactured by reaction of 3-cyanobenzoic acid with thionyl chloride, reaction of the resulting acyl chloride with N-methylbutylamine, and cyclization of the resulting benzonitrile derivative with diisopropyl succinate.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:472248 CAPLUS
 DN 143:9189
 TI Pigment compositions consisting of organic yellow pigment and
 phthalocyanine pigment
 IN Weber, Joachim; Wilker, Gerhard; Alfter, Frank; Macholdt,
 Hans-Tobias
 PA Clariant G.m.b.H., Germany
 SO PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005049738	A1	20050602	WO 2004-EP12789	20041111
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	DE 10353126	A1	20050609	DE 2003-10353126	20031114
	CA 2546483	A1	20050602	CA 2004-2546483	20041111
	EP 1689818	A1	20060816	EP 2004-797819	20041111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1878840	A	20061213	CN 2004-80033437	20041111
PRAI	DE 2003-10353126	A	20031114		
	WO 2004-EP12789	W	20041111		

GI



AB A pigment composition useful for coloration of high-mol.-weight materials such
 as plastics, lacquers and coatings, electrophotog. developers and toners, inks, etc., contains disazo pigment I and ≥ 1 phthalocyanine pigment. For example, a mixture of NaCl 90, C.I. Pigment Green 36 10.5, disazo pigment I 4.5 g and 15 mL diethylene glycol was kneaded for 8 h at 45°, the mixture was stirred for 2 h at 40-45° with 150 mL 5% aqueous HCl, the resulting suspension was

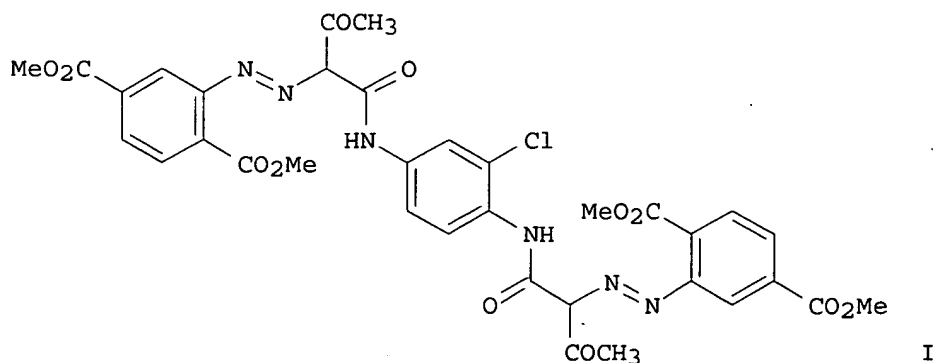
filtered and the solids washed and dried at 80° to give a title composition that gave intensive yellowish-green color in an alkyd-melamine lacquer.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:472247 CAPLUS
 DN 143:28081
 TI Pigment compositions consisting of yellow disazo pigment and organic pigments
 IN Weber, Joachim; Wilker, Gerhard; Alfter, Frank; Macholdt, Hans-Tobias
 PA Clariant G.m.b.H., Germany
 SO PCT Int: Appl., 26 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005049737	A1	20050602	WO 2004-EP12788	20041111
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10353127	A1	20050609	DE 2003-10353127	20031114
	CA 2545210	A1	20050602	CA 2004-2545210	20041111
	EP 1689817	A1	20060816	EP 2004-797818	20041111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1878841	A	20061213	CN 2004-80033438	20041111
PRAI	DE 2003-10353127	A	20031114		
	WO 2004-EP12788	W	20041111		

GI



AB A pigment composition useful for coloration of high-mol.-weight materials such
 as plastics, lacquers and coatings, electrophotog. developers and toners, inks, etc., contains disazo pigment I and ≥ 1 pigment selected from organic orange, red and violet pigments. For example, a mixture of NaCl 90, C.I. Pigment Red 177 9, disazo pigment I 6 g and 17 mL diethylene glycol was kneaded for 8 h at 40°, the mixture was stirred for 2 h at 40° with 200 mL 5% aqueous HCl, the resulting

suspension was filtered and the solids washed and dried at 80° to give a title composition that gave intensive reddish-orange color in an alkyd-melamine lacquer.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:283547 CAPLUS

DN 142:337844

TI Pigment compositions consisting of organic and inorganic pigments for coloration of polymers and coatings.

IN Weber, Joachim; Wilker, Gerhard

PA Clariant GmbH, Germany

SO PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005028564	A1	20050331	WO 2004-EP9241	20040818
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10342601	A1	20050421	DE 2003-10342601	20030912
	EP 1664203	A1	20060607	EP 2004-764228	20040818
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1849374	A	20061018	CN 2004-80026184	20040818
PRAI	DE 2003-10342601	A	20030912		
	WO 2004-EP9241	W	20040818		

AB Pigment comps. for coloration of polymers and coatings consist of ≥ 1 organic yellow pigment and ≥ 1 inorg. pigment. Thus, a mixture containing 80 weight parts of Pigment Yellow 184 and 20 weight parts of Pigment Yellow 213 is dispersed in butanol-treated melamine resin resulting in yellow paint having increased chemical stability.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:2963 CAPLUS

DN 140:61048

TI Method for producing disazo pigments.

IN Schupp, Olaf; Grimm, Felix W.; Opravil, Manfred; Weber, Joachim

PA Clariant G.m.b.H., Germany

SO PCT Int. Appl., 39 pp.

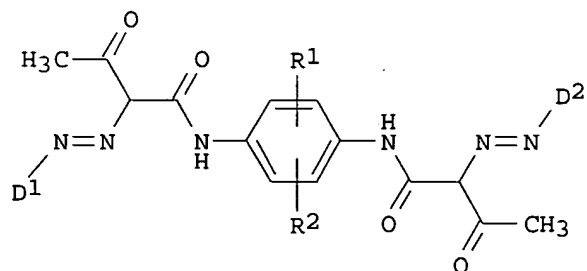
CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004000947	A1	20031231	WO 2003-EP5520	20030527
	W: CN, JP, KR, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	DE 10227527	A1	20040108	DE 2002-10227527	20020620
	EP 1517962	A1	20050330	EP 2003-735467	20030527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1662610	A	20050831	CN 2003-814158	20030527
	JP 2005535738	T	20051124	JP 2004-514648	20030527
	US 2006167236	A1	20060727	US 2004-519218	20041217
PRAI	DE 2002-10227527	A	20020620		
	WO 2003-EP5520	W	20030527		
OS	CASREACT 140:61048; MARPAT 140:61048				
GI					



AB Disazo pigments (I) [R1 and R2 = H, C1-4 alkyl, C1-4 alkoxy, C1-5 alkoxy carbonyl, nitro, cyano, halogen, phenoxy or trifluoromethyl, D1 and D2 = the residues from benzimidazole, benzimidazolone, benzimidazolthione, benzoxazole, benzoxazolone, benzothiazolone, indazole, phthalimide, naphthalimide, benzotriazole, chinoline, benzodiazines, phenmorpholine, phenmorpholinone, phthalazine, phthalazinone, phthalazinedione, phthalimide, naphthalimide, benzo[c,d]indolone, benzimidazo[1,2-a]pyrimidone, carbazole, quinoxaline, quinoxalinone, quinoxalindione, quinazoline, quinazolinone, quinazolinone, and indole] are prepared by azo coupling diazotized amines DNH2 (D = D1 or D2) with a appropriate coupling component and used to dye PVC and lacquers. The invention is characterized in that the coupling product resulting from the azo coupling is subjected to a finish (crystallization) in an organic solvent with an alkaline pH value or in an aqueous organic solvent or suspension with a neutral or alkaline pH value to increase crystal size.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:216130 CAPLUS

DN 136:249013

TI New crystal modifications of a yellow disazo pigment, their production and their use

IN Jung, Ruediger; Metz, Hans-Joachim; Weber, Joachim; Schmidt, Martin U.; Schupp, Olaf; Wacker, Andreas

PA Clariant Gmbh, Germany

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1188800	A1	20020320	EP 2001-121135	20010904
	EP 1188800	B1	20031203		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 10045790	A1	20020328	DE 2000-10045790	20000915
	JP 2002146227	A	20020522	JP 2001-249893	20010821
	ES 2208506	T3	20040616	ES 2001-1121135	20010904
	US 2002065402	A1	20020530	US 2001-952499	20010913
	US 6504045	B2	20030107		
	CN 1344762	A	20020417	CN 2001-133101	20010914
PRAI	DE 2000-10045790	A	20000915		

AB New crystalline modifications of a yellow disazo pigment (α , β , γ , δ , ζ , η , each characterized by an X-ray powder diagram) were obtained by heating the raw pigment at 150-200° in a solvent for 10 min to 5 h. The crystalline forms have new and interesting color tones and can be used in various combinations. The pigment, di-Me aminoterephthalate-2-chloro-N,N'-bis(acetoacetyl)-1,4-phenylenediamine, may be used in vehicles such as paints.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 10:18:48 ON 04 JAN 2007)

FILE 'REGISTRY' ENTERED AT 10:18:59 ON 04 JAN 2007

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L2      STRUCTURE UPLOADED
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L3      1 SEA SSS SAM L1 OR L2
        D SCAN
L4      46 SEA SSS FUL L1 OR L2

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        D BIB ABS HITSTR
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L8      1 SEA ABB=ON  PLU=ON  L7 AND (BASE OR ALKALI OR ALKALINE)
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        D KWIC
        D BIB ABS
        D QUE L8 STAT
        D BIB ABS HITSTR
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        "GRIMM FELIX WENDELIN"/AU)
        E OPRAVIL MANFRED/AU
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        E WEBER JOACHIM/AU
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        D 1-7 BIB ABS

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